

ABSTRACT

A kind of resilient hinge for spectacle frames and a method of manufacturing same. Said resilient hinge includes at least an axis as well as a positioning guide, a resilient medium and a stopper, which are fitted over and through the axis in the aforesaid order. The spectacle frame front and temple can be correspondingly closed and opened conveniently and smoothly through the resilience generated by the resilient hinges provided between the spectacle frame front and the temple. The positioning guide is thus designed to maintain the stability of this process. Said method should at least include the following steps: to make the axis into its basic form from a metal sheet; to reduce the diameter size of the end portion of the said axis bearing the basic form and process it into a cylindrical shape with a specified diameter; a hole is provided at the top end of the axis to form a hinge hole. The axis formed will have a high level of brightness without any traces of pressing marks on its surface, the smooth stretching out and bouncing back of the spring is guaranteed. The density of metal molecule is uniform, free from stress concentration. This enhances the hardness, rigidity and stability of the axis. The entire length of the axis can be controlled freely according to structural requirements.